

**KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
BUREAU OF ENVIRONMENTAL REMEDIATION**

**LAND APPLICATION WORK PLAN FOR SOIL OR WATER FROM
AGRICULTURAL CHEMICAL INCIDENTS OR SITES**

REFER TO THE GENERAL INSTRUCTIONS PRIOR TO COMPLETING THIS WORK PLAN

Submittal Date of Work Plan: __/__/__	Date Approved: __/__/__	Date Denied: __/__/__
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Do not write in this box

1. FACILITY OR INCIDENT INFORMATION:

Facility or Incident Name:	KDHE Identifier or Agreement Number:
Street Address or Location:	Mailing Address (if different from street address):
City/Zip:	Contact Person:
Title of Contact Person:	Telephone: ()

2. PERSON PREPARING THIS WORK PLAN:

Preparer's Name & Title:	Preparer's Company:
	Telephone: ()
Mailing Address:	City/State/Zip:

3. PROPOSED LAND APPLICATION SITE:

Property owner/contact person:	
Legal description of property: Section _____ Township _____ Range _____	
Directions to land application site:	
Mailing address:	City / Zip:
County:	Telephone Number: ()
<input type="checkbox"/> Map, or aerial photograph must be provided with specific identification of proposed land application site	

4. PROPOSED DESCRIPTION OF WORK

This Work Plan involves the land application of: <input type="checkbox"/> soil and/or <input type="checkbox"/> water - containing any of the following: <input type="checkbox"/> pesticides, <input type="checkbox"/> herbicides, <input type="checkbox"/> fertilizers, and/or <input type="checkbox"/> soil conditioners	
Proposed land application start date: ____/____/____	Proposed land application completion date: ____/____/____

Quantity:

Total Cubic Yards of Soil to be Land Applied: _____ Yd ³	Total Gallons of Water to be Land Applied: _____ Gals
USE ATTACHED LAND APPLICATION CALCULATION FORM TO DOCUMENT QUANTITIES OF SOIL OR WATER TO BE LAND APPLIED, AND ADDITIONAL SITE INFORMATION.	

Characteristics of Proposed Land Application Site:

Soil Type:	Soil Texture:
Soil Organic Matter Content: <input type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High	
Depth to Ground Water: _____ feet below ground surface	Slope of Land: _____ percent
Distance to nearest surface water body: _____ feet	Distance to nearest well: _____ feet
Description of nearest water body (stream, pond, lake, river, etc):	Type of well (Domestic, Industrial, Public, etc.):
Application site will be: <input type="checkbox"/> Cropped <input type="checkbox"/> Grazed Describe any other environmental or physical factors that should be factored in the land application at this proposed site:	
Has there been any application of pesticides/fertilizers at the proposed application site within the past year? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe in detail including compounds, concentrations, dates:	

GENERAL INSTRUCTIONS

FOR COMPLETING THE KDHE LAND APPLICATION WORK PLAN, AND AGREEMENT FORM

These instructions will assist the preparer to complete the KDHE Land Application Work Plan for land application of contaminated soil and/or water. The Work Plan is to be typed, or legibly printed in ink.

1. FACILITY OR INCIDENT INFORMATION:

In section one, provide the name of the facility, or business from which the soil or water is to be removed and land applied. If the contaminated material is not located at a facility, for example the spill occurred in the field, the KDHE spill report number for the incident is to be provided. Provide the street address or location of the facility or incident, the mailing address of the owner of the property, the name of the contact person who will be responsible for communication with KDHE and that contact person's title within the company controlling the facility, and the telephone number where the contact person can be reached.

Provide the KDHE identified sites list number, spill incident number, the Consent Order (CO) number, or the Voluntary Cleanup and Property Redevelopment Program (VCPRP) Agreement number for the site.

2. PERSON PREPARING THIS WORK PLAN:

Give the name and title of the person preparing this Work Plan. Include the name of the company the preparer works for (if applicable), and the mailing address and telephone number of the person preparing this Work Plan.

3. PROPOSED LAND APPLICATION SITE:

Provide the name, mailing address, county, and telephone number of the owner, or contact person for the property (if different from owner), on whose property the contaminated soil or water will be land applied. Give the legal description to the nearest 1/64th of the section of the location where the material will be land applied, (i.e. NW¹/₄, NW¹/₄, NW¹/₄ of Section 12, Township 4, Range 18W). Provide printed or typed directions to the land application location from the nearest town, including miles and significant landmarks.

A 7.5 minute, 1:24,000 scale topographical map, or a County Appraiser's Map (aerial photograph), of the site receiving the land application with the site clearly defined is to be submitted to KDHE with the Land Application Work Plan. Topographical maps can be purchased for \$4.00 from the Kansas Geological Survey by contacting the KGS Publications Sales Office at (785) 864-2157. County Appraiser's Maps can be purchased from the county appraiser's office in the county the land application will occur. The appraiser's maps are aerial photographs with property lines demarcated, and generally cost \$5.00. Maps may also be printed from the internet, however, the scale must be small enough, and the detail adequate for KDHE to accurately identify the location and physical features of the site.

4. PROPOSED DESCRIPTION OF WORK:

Indicate the type of material (soil, water, etc.) to be land applied by checking the appropriate boxes. Indicate the proposed start and completion dates of the land application. Note that land application of soil will not be permitted during periods when the land application site is frozen and the applied material cannot be incorporated.

If previous application of pesticides, herbicides, fertilizers, or soil conditioners has occurred on the proposed land application site check the appropriate box and describe in detail the application, including compounds, and amounts applied per acre.

Quantity:

If contaminated soil is to be land applied indicate the total cubic yards of material involved; if water is to be applied indicate the total gallons. *A completed Land Application Calculation Form must accompany the Work Plan.*

Characteristics of Proposed Land Application Site:

The soil type, texture, and soil organic matter content for a land application site can be found in the US Department of Agriculture, Soil Conservation Service, County Soil Survey which is available at the county Soil Conservation Service, or National Resource Conservation Service office. This information source also will describe the percent slope for the soil type of the land application site.

The depth to ground water from ground surface at the land application site can often be determined from a nearby water well if the well is located in the same soil type and at nearly the same elevation.

The distance to the nearest water well or surface water body can easily be determined using a topographical, or appraiser's map to measure distances once the locations of the land application site and the water well are determined. The nearest well may be a household domestic well, irrigation well, public water supply well, or even a monitoring well. Care should be taken to identify unplugged, hand dug water wells often found at abandoned farm sites since these types of wells commonly are sources of ground water contamination by surface water.

Other environmental or physical factors that may need to be considered in the Work Plan may include unusual soil pH, restricted seasonal use of some pesticides, best management practices, the proximity of wells, surface water, or sinkholes, residences, shallow bedrock, or other factors that should be considered to ensure the safety of humans, and the environment.

When pesticide or herbicide contamination is involved, the proposed land application will be reviewed to ensure compliance with restrictions mandated by state and federal pesticide laws.